

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
10 April 2003 (10.04.2003)

PCT

(10) International Publication Number  
**WO 03/030094 A1**

(51) International Patent Classification<sup>7</sup>: **G06K 19/00**

(21) International Application Number: PCT/IB02/04077

(22) International Filing Date: 2 October 2002 (02.10.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
279/2001 2 October 2001 (02.10.2001) AE  
PCT/IB02/02830 16 July 2002 (16.07.2002) IB

(71) Applicant and

(72) Inventor: **AL AMRI, Moosa, Eisa** [AE/AE]; Al Reem  
Tower, Maktoum St., Suite N° 302-303, P.O. Box 14427,  
Dubai (AE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,  
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZW.

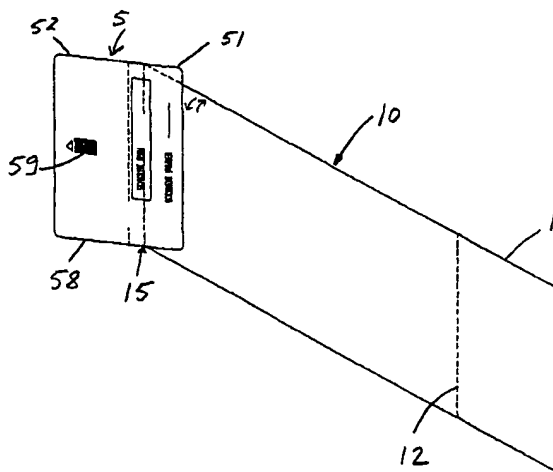
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,  
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: SMART DOCUMENTS



(57) Abstract: The invention relates to Smart Documents to be used in various administrative, financial and other applications, in particular bank cheques and other paper value documents that require authentication, boarding passes for transport systems, documents for access functions and multipurpose uses, in particular Smart Documents that comprise a pliable thin portion (10) carrying on its front and/or rear face imprinted visible data, and a thick portion (5) wherein a magnetic strip (62) and/or storage chip (5a) of the contact and/or contactless type is/are merged. The document's thick portion (5), i.e. wherein the magnetic strip and/or storage chip is merged, is a planar card (58) attached to an edge (15) of the document's thin portion (10) in a manner allowing inclination of the card (58) relative to the thin portion. This makes it very easy to pass the combined document through reading/writing devices, while the thickness of the card portion (58) allows incorporation of magnetic strips (62) and/or storage chips (59) of high storage capacity.

WO 03/030094 A1